

**AMENDMENTS TO THE CLAIMS**

The following listing of claims replaces all prior listings of claims in the present application.

**What is claimed is:**

**1. (original)** A polarizing electrode composed of a carbon composite, wherein, as a carbon material of said carbon composite, a single-layer carbon nanohorn aggregate, which is made in such a manner that the single-layer carbon nanohorns are aggregated spherically, is used.

**2. (original)** The polarizing electrode according to claim 1,  
wherein said single-layer carbon nanohorn is a single-layer graphite nanohorn.

**3. (original)** The polarizing electrode according to claim 1,  
wherein said single-layer carbon nanohorn aggregate is supported by a carbon fiber or a carbon nanofiber.

**4. (original)** The polarizing electrode according to claim 3,  
wherein, by allowing a front end of said single-layer carbon nanohorn composing said single-layer carbon nanohorn aggregate to be fused to said carbon fiber or said carbon nanofiber, said single-layer carbon nanohorn aggregate is supported by said carbon fiber or said carbon nanofiber.

**5. (withdrawn)** A manufacturing method of a polarizing electrode composed of a carbon composite including a single-layer carbon nanohorn aggregate made in such a manner that the

single-layer carbon nanohorns are aggregated spherically as a carbon material, comprising a step of:

obtaining said carbon composite by molding a mixture of said single-layer carbon nanohorn aggregate and a heat fusible and heat hardening phenol resin at 80 - 120 °C, and carrying out a heat treatment in a no-oxidizing atmosphere.

**6. (withdrawn)** A manufacturing method of a polarizing electrode composed of a carbon composite including a single-layer carbon nanohorn aggregate made in such a manner that the single-layer carbon nanohorns are aggregated spherically as a carbon material, comprising a step of:

obtaining said carbon composite by molding a mixture of said single-layer carbon nanohorn aggregate, a heat fusible and heat hardening phenol resin, and a heat infusible phenol resin of a weight ratio of 15 to 60 % with respect to the heat fusible and heat hardening phenol resin, and carrying out a heat treatment in no-oxidizing atmosphere.

**7. (currently amended)** An electric double-layer capacitor comprising:

a polarizing electrode,

wherein said ~~electric double-layer capacitor comprises a~~ polarizing electrode is composed of a carbon composite including a single-layer carbon nanohorn aggregate made in such a manner that the single-layer carbon nanohorns are aggregated spherically as a carbon material.

**8. (new)** A polarizing electrode comprising:

a carbon composite including a single-layer carbon nanohorn aggregate,

wherein the single-layer carbon nanohorn aggregate is aggregated spherically.